DOCUMENT RESUME

ED 473 868 SE 067 374

AUTHOR	Sparrow, Len; Swan, Paul
TITLE	Learning Math with Calculators: Activities for Grades 3-8.
ISBN	ISBN-0-941355-35-7
PUB DATE	2001-00-00
NOTE	88p.
AVAILABLE FROM	Math Solutions Publications, Marilyn Burns Education Associates, 150 Gate 5 Road, Suite 101, Sausalito, CA 94965 ($15.95). Web site: http://www.mathsolutions.com.
PUB TYPE	Books (010) -- Guides - Classroom - Teacher (052)
EDRS PRICE	Document Not Available From EDRS.
DESCRIPTORS	*Calculators; Arithmetic; Elementary Secondary Education; *Mathematics Activities; Mathematics Instruction; *Number Concepts

ABSTRACT

This book guides teachers in the appropriate use of calculators in math classrooms in grades 3-8. This resource is organized into two parts. Part One addresses the broad range of classroom teachers' questions and concerns about using calculators for teaching mathematics. Issues covered include: (1) How can calculators support helping children learn mathematics?; (2) How can teachers assess student learning if they are using a calculator?; (3) Is it important for all students to have access to the same model of calculator?; (4) Should students be allowed to use calculators during tests?; and (5) How can calculators help develop children's number sense? Part Two features a collection of classroom-tested activities for using calculators in math lessons, all chosen for the purpose of developing children's number sense and problem-solving abilities. For each activity students engage with a task, explore the mathematics embedded in it, and explain their answers and the reasons for them. (KHR)

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